

# CENTER FOR UTAH GENOME TECHNOLOGIES

## CENTER

Established as a Utah Center of Excellence in 1996, the Center's main focus is on developing and refining technologies for large scale sequencing and genotyping of DNA, the genetic material involved in inheritance of every organism. The Center is also developing technology for gridded DNA array detection.

## TECHNOLOGY

The Center is developing novel technologies in three different areas: molecular reagents and techniques, automated sequencing devices, and computer software. Refinements to improve performance and reliability of the automated hybridization and imaging instruments are in progress. Independent testing of the instruments by non-center researchers is in progress.

## ACCOMPLISHMENTS

Researchers at the University of Utah Human Genome Center have achieved international recognition in being part of the Human Genome Project, funded by the U.S. Department of Energy and the U.S. National Institutes of Health. The research group has been involved in a worldwide effort in sequencing the Human Genome. In addition, the Center continues to be at the leading edge of technology development for automated DNA sequencing. The Center will release the complete genome sequence of a microorganism of significant scientific and biotechnological importance. This sequence publication is among the first ten genomes completed world-wide and is an important milestone, showcasing the maturation of the Center technology.

**The Center has licensed two software programs to a local company, Cimarron Software Inc.**

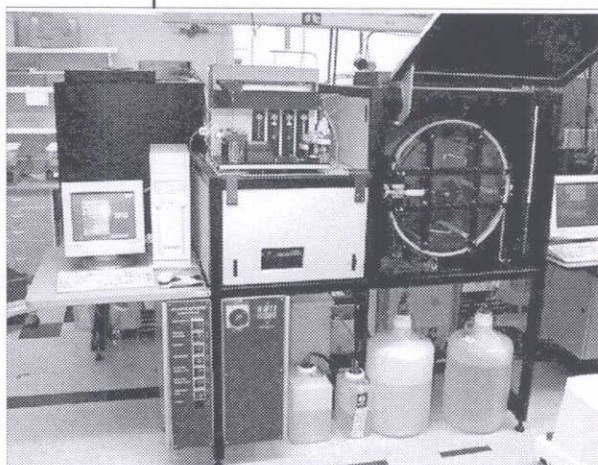
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*Can You Imagine...*

... a method for greatly accelerating the analysis of genetic material to provide DNA sequence - a technology for rapidly sequencing of DNA and cataloging valuable genetic information.

THE CENTER, A PART OF THE INTERNATIONAL HUMAN GENOME PROJECT, DEVELOPS METHODS FOR RAPID, LARGE SCALE GENOME SEQUENCING, AND PROPOSES COMMERCIAL USES FOR THIS ANALYSIS.



■ Picture of the probe chamber, an instrument for multiplex sequencing designed and built at the genome Center.